



PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:  
Assistant Commissioner for Patents,  
Washington, D.C. 20231 on March 18, 2002

William R Allen  
William R. Allen, Ph.D., Reg. No. 48,389

18 March 2002  
Date

RECEIVED  
MAR 20 2002  
TC 1700

Applicants: Robert Sergel Condrashoff et al.  
Serial No: 09/998,875  
Filed: October 31, 2001  
Group Art Unit: 1734  
Examiner: Unknown  
Title: MATERIAL HANDLING SYSTEM AND METHOD FOR A  
MULTI-WORKPIECE PLASMA TREATMENT SYSTEM  
Atty Docket: NOR-998A

Cincinnati, Ohio 45202

March 18, 2002

Assistant Commissioner for Patents  
Washington, DC 20231

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

In accordance with the duty of candor and good faith imposed by 37 C.F.R. §1.56, and means of complying therewith according to 37 C.F.R. §§1.97 and 1.98, the references listed on the attached Form PTO-1449 are called to the attention of the United States Patent and Trademark Office in connection with the above-identified patent application. Copies of the cited references are enclosed herewith and Applicants request that the Examiner

consider the cited references and make an independent evaluation of their materiality.

It is submitted that none of the cited references of record or now cited, either alone or in combination, disclose or render obvious that subject matter claimed in the present application.

Applicants do not believe that any fees are due in connection with this response. However, if such petition is due or any other fees are necessary, the Commissioner may consider this to be a request for such and charge any necessary fees to deposit account 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

BY

William R. Allen

William R. Allen, Ph.D.  
Reg. No. 36,330

2700 Carew Tower  
Cincinnati, OH 45202  
(513) 241-2324

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
NOR/998ASERIAL NO.  
09/998AINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98)

APPLICANT  
Condrashoff et al.FILING DATE  
October 31, 2001

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.A	3	2	9	4	6	7	0	12/27/66	Charschan et al.	204	298	10/7/63
	A.B	3	6	4	1	9	7	3	2/15/72	Shrader	118	49	11/25/70
	A.C	4	2	0	8	1	5	9	6/17/80	Uehara et al.	414	225	
	A.D	4	2	5	2	5	9	5	2/24/81	Yamamoto et al.	156	345	
	A.E	4	2	7	8	5	2	8	7/14/81	Kuehnle et al.	204	298	10/9/79
	A.F	4	3	1	8	7	6	7	3/9/82	Hijikata et al.	156	345	
	A.G	4	3	3	6	4	3	8	6/22/82	Uehara et al.	219	121PG	9/16/80
	A.H	4	4	0	5	4	3	5	9/20/83	Tateishi et al.	204	298	
	A.I	4	4	1	8	6	3	9	12/6/83	Wills et al.	118	50	5/19/81
	A.J	4	5	5	0	2	3	9	10/29/85	Uehara et al.	219	121PG	9/27/82
	A.K	4	5	5	0	2	4	2	10/1985	Uehara et al.	156	345	

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L	DE 3935002	4/1991	Germany			Abstract Only
	A.M	09-129581	5/1997	Japan			Abstract Only
	A.N	59-164696	9/1984	Japan			Abstract Only
	A.O	04-123430	4/1992	Japan			Abstract Only
	A.P	03-023137	1/1991	Japan			Abstract Only
	A.Q	04-311044	11/1992	Japan			Abstract Only

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	A.R	Panasonic Factory Automation Company, <u>Plasma Cleaning Systems</u> , Brochure, 11/2000
	A.S	Panasonic Factory Automation Company, Japanese Brochure, 11/2000
	A.T	March Instruments, Inc., <u>In-Line Plasma System</u> , Brochure, 8/1995

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered.  
Include a copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
NOR/998ASERIAL NO.  
09/998,873INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANT  
Condrashoff et al.FILING DATE  
October 31, 2001GROSS  
1734

(37 CFR 1.98)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B.A	4	5	7	5	2	9	9	3/1986	Layton	414	222	
	B.B	4	5	8	4	0	4	5	4/1986	Richards	156	345	
	B.C	4	6	3	7	8	5	3	1/20/87	Bumble et al.	156	345	
	B.D	4	7	0	5	4	4	4	11/1987	Tullis et al.	118	729X	
	B.E	4	7	7	0	1	2	1	9/13/88	Ebata et al.	118	686	2/3/87
	B.F	4	8	1	6	1	1	6	3/1989	Davis	156	643	
	B.G	4	8	1	6	6	3	8	3/28/89	Ukai et al.	219	121.43	10/20/87
	B.H	4	8	4	0	7	0	2	6/20/89	Schumacher, III	156	643	12/29/87
	B.I	4	8	8	9	6	0	9	12/26/89	Canella	204	298	
	B.J	5	0	3	0	0	5	6	7/9/91	Kitayama et al.	414	749	7/23/90
	B.K	5	0	4	4	8	7	1	9/1991	Davis et al.	414	786	

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	B.L	03-159143	7-1991	Japan			Abstract Only
	B.M	6-21032	1/1994	Japan			Abstract Only
	B.N						
	B.O						
	B.P						
	B.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	B.R	March Instruments, Inc., <u>TAC Technology Advancement Center</u> , Brochure, 2/1995
	B.S	Materials Research Corporation, <u>1.12 Inline production magnetron sputtering</u> , Journal Article, 3 pages
	B.T	Von Dr.-Ing M. Nowotnick, Fraunhofer-Einrichtung für Zuverlässigkeit und Mikrointegration (IZM), Berlin, <u>Plasmabehandlung als umweltfreundliche Alternative in der Leiterplattenfertigung</u> , Galvanotechnik D-88348 Saulgau 86 (1995) Nr. 4; Journal Article, 6 pages

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered.  
Include a copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. NOR/998A	SERIAL NO. 09/998,871
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Condrashoff et al.	
	(37 CFR 1.98)		FILING DATE October 31, 2001	GROUP 1734

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	C.A	5	0	7	9	0	3	1	1/1992	Yamazaki et al.	118	729X	
	C.B	5	0	8	6	7	2	9	2/11/92	Katagiri	118	729	6/13/89
	C.C	5	1	1	6	6	4	0	5/1992	Mikami et al.	118	719X	
	C.D	5	2	1	6	2	2	3	6/1/93	Straemke	219	121.43	2/25/91
	C.E	5	2	5	9	9	4	2	11/1993	Kempf	204	298.25	
	C.F	5	2	8	6	2	9	6	2/1994	Sato	118	719	
	C.G	5	2	8	8	6	8	4	2/1994	Yamazaki et al.	118	723 E X	
	C.H	5	2	9	2	3	9	3	3/1994	Maydan	156	345	
	C.I	5	3	0	2	0	7	7	4/1994	Sato	414	609	
	C.J	5	3	0	3	6	7	1	4/19/94	Kondo et al.	118	719	
	C.K	5	3	1	0	4	1	0	5/1994	Begin	29	25.01	

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	C.L						
	C.M						
	C.N						
	C.O						
	C.P						
	C.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	C.R	
	C.S	
	C.T	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
NOR/998ASERIAL NO.  
09/998,875

MAR 22 2002

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANT  
Condrashoff et al.FILING DATE  
October 31, 2001GROUP  
1734

(37 CFR 1.98(b))

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	D.A	5	3	1	4	2	9	8	5/1994	Kim	414	797.9	
	D.B	5	3	4	5	0	5	6	9/6/94	Frei et al.	219	121.59	12/12/91
	D.C	5	3	8	7	2	6	5	2/1995	Kakizaki et al.	118	730X	
	D.D	5	4	3	3	3	7	1	7/18/95	Morisako	228	180.5	10/13/93
	D.E	5	4	8	0	0	5	2	1/2/96	Furr et al.	216	71	10/22/93
	D.F	5	4	9	2	2	6	5	2/20/96	Wandke	228	205	12/20/94
	D.G	5	5	1	5	9	8	6	5/1996	Turlot et al.	156	345X	
	D.H	5	5	4	2	5	5	9	8/6/96	Kawakami et al.	216	67	2/14/94
	D.I	5	5	7	3	5	9	7	11/12/96	Lantsman	118	723MP	
	D.J	5	5	7	6	6	2	9	11/19/96	Turner et al.	324	709	10/24/94
	D.K	5	5	8	7	2	0	5	12/24/96	Saito et al.	427	553	

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	D.L						
	D.M						
	D.N						
	D.O						
	D.P						
	D.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	D.R	
	D.S	
	D.T	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered.  
Include a copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449  
(MODIFIED)

MAR 22 2002

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
NOR/998ASERIAL NO.  
09/998,875APPLICANT  
Condrashoff et al.FILING DATE  
October 31, 2001GROUP  
1734

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	E.A	5	6	0	9	2	9	0	3/11/97	Bobbio et al.	228	206	4/20/95
	E.B	5	6	3	4	7	6	5	6/3/97	Miyoshi	414	786	6/7/95
	E.C	5	6	4	7	9	4	2	7/1997	Haji	156	281	
	E.D	5	7	0	7	4	8	5	1/13/98	Rolfson et al.	156	643.1	12/20/95
	E.E	5	7	6	7	0	0	8	6/1998	Haji	438	612	
	E.F	5	7	7	9	9	9	7	7/1998	Dornfest et al.	134	1.2	
	E.G	5	9	5	9	5	1	0	9/1991	Sivaramakrishnam et al.	428	255.6	
	E.I	5	9	7	2	1	9	3	10/26/99	Haji	156	345	2/6/98
	E.I	6	3	3	1	3	4	7	12/18/01	Haji	428	209	4/1/98
	E.J												
	E.K												

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	E.L						
	E.M						
	E.N						
	E.O						
	E.P						
	E.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	E.R	
	E.S	
	E.T	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered.  
Include a copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)